INDEX TO VOLUME 10
Authors

Abarbanell N.R., 166
Abbott J.T., 354
Abernethy M.K., 429
Alba E., 64
Albertson T.E., 211, 371
Albu E., 266
Alcaraz C., 311
Allen K.M., 143
Allen M., 1
Amitai Y., 18, 399, 556
Anaya C., 519
Anderson A.J., 290
Appelton T., 538
Aprahamian C., 4
Askenasi R., 184
Aufderheide T.P., 4

Bailey K.M., 452
Baldursson J., 533
Baraff L.J., 99
Barish R.A., 58
Bates M.A., 347
Beardsly E.S., 274
Becker L.B., 429
Beless D.J., 133
Bell J., 219
Benson B., 189
Bergman J., 321
Berk W.A., 217, 271
Berlot G., 396
Bicknell J.M., 336
Binder L.S., 143
Biros M., 32
Blackstone W., 344
Blecic S., 515
Bleske B.E., 525
Bock B.F., 271
Borys D.J., 115
Boulanger B., 177
Boulanger B.R., 262
Brady C., 152
Brady W., 251, 616
Bray M.L., 519
Brownstein D.R., 418
Brunette D.D., 32
Bruns B.M., 53
Buechsel R., 35
Butzin C.A., 421

Caiglia P., 152
Campbell J.W., 208
Caravati E.M., 169
Carroll B., 177
Chang M.A., 519
Chang R.K.S., 519
Chaskis C., 515
Chen Y-S., 615
Cheney P.R., 439
Ching C.Y., 519
Chisholm C., 391
Chow M.S.S., 525
Christopher T.A., 24
Chyka P.A., 208
Claps P.J., 217, 271
Cole L.M., 195
Conover C., 265
Conte R., 403
Coogan P., 251
Cook R.T., 396
Cook T., 431
Copass M.K., 418
Coppola M., 230
Corcoran T.P., 265
Cordell W.H., 8
Crockett C.R., 8
Cronin L., 333

Dalsey W.C., 421
Danzinger J., 344
Davis W.E., 133
Dawson P.A.J., 43
Day L.C., 115
DeBehnke D.J., 251, 506
Dehart D.A., 413
Delaney K.A., 311
Demarest G.B., 439
Derlet R.W., 195, 211
Desani B., 237
Desjardins J.G., 574
Dieckmann R., 53
Dimauro R., 226
Dingerson A., 53
Doris P.E., 164
Doyle F., 285
Dronen S.C., 391, 533
Dubinsky I., 613
Ducker T.B., 96
Dunbar L., 84

Eckes J., 323
Eitel D., 317
Elam K., 593
Eliraz A., 50
Eljaiek L.F. Jr, 43
Ellis J.H., 584
Ellison M.J., 506
Emerman C.L., 294
Erickson T., 121
Erlandson C., 32
Ernst A.A., 173, 403

Falk J.L., 393
Falkner D., 1
Farrell W.R., 271
Ferrario C.G., 121
Ferris V., 237
Fiedler K., 336
Fieldman A., 525
Finley C.J., 550
Fisher J., 271
Forrester J.S., 73, 156
Foulke G.E., 371
Franaszek J., 364
Freed H.A., 130, 614
Frischer H., 18, 399
Frohna W.J., 393
Fromm R.E. Jr, 333, 572

Galvis A.G., 223
Gandhi D., 266
Gardner S.F., 128
Garramone R.R. Jr, 237
Gates T.R., 69
Gens D., 177
Gibbs L.R., 572
Gibler W.B., 84
Gillen J.P., 508
Glauser J., 1
Goldfrank L., 84
Goldfrank L.R., 311
Gorman R.L., 189
Graber M.A., 130
Graff L., 84
Graniero K.D., 152
Grant R., 61
Greenberg G.H., 14
Gryn J., 254
Gullo A., 396

Hallagan L.F., 43
Hall K., 616
Hammond J., 323
Handy M., 326
Hardjasudarma M., 69
Hargarten K.M., 4
Hargarten S.W., 290
Hartsell F.W., 421
Harvey R.A., 149, 265, 593
Hay E., 50
Hays E.P. Jr, 121
Hedges J.R., 511
Heller M.B., 398
Hendley G.E., 4
Herlitz J., 406
Herman L.L., 435
Hess D., 317
Hobbs G.D., 584
Hoerler S., 613
Hoffman R.S., 426
Hogan D.E., 230
Holliman C.J., 167, 347, 611
Holm K.C., 452
Holmberg S., 406
Howell J.M., 262, 390, 421
Hryhorczuk D.O., 121
Huang R., 271
Hu S-C., 366

Ilkhanipour K., 298
Irvin C., 533
Iserson K.V., 263, 361, 588
Iyer R.V., 27

Jerrad D., 58
Jerrard D., 200
Joe R., 395
Johnson D.R., 548
Jones T.R., 508

Karch S., 94
Karlson B.W., 406
Kefer M.P., 445
Keller J.L., 301
Kellermann A., 395
Kelley M.T., 545
Kelley P.B., 181
Khin-Maung-Gyi M.T., 189
Kierdorf H., 35
Kietzman L., 431
Kim M.Y., 519
Klein-Schwartz W., 189
Kluger J., 525
Klygis L.M., 268
Kremen R., 413
Krenzelok E.P., 115, 189, 200, 265, 298, 398
Krol L.V., 354
Kubincanek J., 294
Kunichevsky S., 50

Laney R.F., 426
Leduc D., 184
Leffler S., 548
Leibold R., 431
Leikin J., 84
Leikin J.B., 18, 121, 399
Lera T.A. Jr, 542
Lerch M.M., 35
Levine R.L., 94, 333, 344
Levitt M.A., 24
Lheureux P., 184
Lightsey D.M., 73
Lilieqvist J-A., 406
Ling L.J., 115, 169
Litovitz T.L., 189, 452
Long D.C., 226
Lowe D.K., 511
Luks F.I., 574
Lyman D.J., 506

Mace S.E., 136
MacPherson K.A., 274
Malave D., 400
Martin D.R., 4
Martin G.B., 538
Martin T.G., 577
Matern S., 35
Mathews R.C., 162
McCabe C.J., 595
McCallum W. B. G., 333
McCarty D.L., 46
McCormick M., 189
McDowell I., 14
McElwee N., 189
McKnight R.D., 14
Medina F.A., 359
Menegazzi J., 200, 413
Michael A.D., 156

INDEX TO VOLUME 10
Authors

Abarbanell N.R., 166
Abbott J.T., 354
Abernethy M.K., 429
Alba E., 64
Albertson T.E., 211, 371
Albu E., 266
Alcaraz C., 311
Allen K.M., 143
Allen M., 1
Amitai Y., 18, 399, 556
Anaya C., 519
Anderson A.J., 290
Appelton T., 538
Aprahamian C., 4
Askenasi R., 184
Aufderheide T.P., 4

Bailey K.M., 452
Baldursson J., 533
Baraff L.J., 99
Barish R.A., 58
Bates M.A., 347
Beardsly E.S., 274
Becker L.B., 429
Beless D.J., 133
Bell J., 219
Benson B., 189
Bergman J., 321
Berk W.A., 217, 271
Berlot G., 396
Bicknell J.M., 336
Binder L.S., 143
Biros M., 32
Blackstone W., 344
Blecic S., 515
Bleske B.E., 525
Bock B.F., 271
Borys D.J., 115
Boulanger B., 177
Boulanger B.R., 262
Brady C., 152
Brady W., 251, 616
Bray M.L., 519
Brownstein D.R., 418
Brunette D.D., 32
Bruns B.M., 53
Buechsel R., 35
Butzin C.A., 421

Caiglia P., 152
Campbell J.W., 208
Caravati E.M., 169
Carroll B., 177
Chang M.A., 519
Chang R.K.S., 519
Chaskis C., 515
Chen Y-S., 615
Cheney P.R., 439
Ching C.Y., 519
Chisholm C., 391
Chow M.S.S., 525
Christopher T.A., 24
Chyka P.A., 208
Claps P.J., 217, 271
Cole L.M., 195
Conover C., 265
Conte R., 403
Coogan P., 251
Cook R.T., 396
Cook T., 431
Copass M.K., 418
Coppola M., 230
Corcoran T.P., 265
Cordell W.H., 8
Crockett C.R., 8
Cronin L., 333

Dalsey W.C., 421
Danzinger J., 344
Davis W.E., 133
Dawson P.A.J., 43
Day L.C., 115
DeBehnke D.J., 251, 506
Dehart D.A., 413
Delaney K.A., 311
Demarest G.B., 439
Derlet R.W., 195, 211
Desani B., 237
Desjardins J.G., 574
Dieckmann R., 53
Dimauro R., 226
Dingerson A., 53
Doris P.E., 164
Doyle F., 285
Dronen S.C., 391, 533
Dubinsky I., 613
Ducker T.B., 96
Dunbar L., 84

Eckes J., 323
Eitel D., 317
Elam K., 593
Eliraz A., 50
Eljaiek L.F. Jr, 43
Ellis J.H., 584
Ellison M.J., 506
Emerman C.L., 294
Erickson T., 121
Erlandson C., 32
Ernst A.A., 173, 403

Falk J.L., 393
Falkner D., 1
Farrell W.R., 271
Ferrario C.G., 121
Ferris V., 237
Fiedler K., 336
Fieldman A., 525
Finley C.J., 550
Fisher J., 271
Forrester J.S., 73, 156
Foulke G.E., 371
Franaszek J., 364
Freed H.A., 130, 614
Frischer H., 18, 399
Frohna W.J., 393
Fromm R.E. Jr, 333, 572

Galvis A.G., 223
Gandhi D., 266
Gardner S.F., 128
Garramone R.R. Jr, 237
Gates T.R., 69
Gens D., 177
Gibbs L.R., 572
Gibler W.B., 84
Gillen J.P., 508
Glauser J., 1
Goldfrank L., 84
Goldfrank L.R., 311
Gorman R.L., 189
Graber M.A., 130
Graff L., 84
Graniero K.D., 152
Grant R., 61
Greenberg G.H., 14
Gryn J., 254
Gullo A., 396

Hallagan L.F., 43
Hall K., 616
Hammond J., 323
Handy M., 326
Hardjasudarma M., 69
Hargarten K.M., 4
Hargarten S.W., 290
Hartsell F.W., 421
Harvey R.A., 149, 265, 593
Hay E., 50
Hays E.P. Jr, 121
Hedges J.R., 511
Heller M.B., 398
Hendley G.E., 4
Herlitz J., 406
Herman L.L., 435
Hess D., 317
Hobbs G.D., 584
Hoerler S., 613
Hoffman R.S., 426
Hogan D.E., 230
Holliman C.J., 167, 347, 611
Holm K.C., 452
Holmberg S., 406
Howell J.M., 262, 390, 421
Hryhorczuk D.O., 121
Huang R., 271
Hu S-C., 366

Ilkhanipour K., 298
Irvin C., 533
Iserson K.V., 263, 361, 588
Iyer R.V., 27

Jerrad D., 58
Jerrard D., 200
Joe R., 395
Johnson D.R., 548
Jones T.R., 508

Karch S., 94
Karlson B.W., 406
Kefer M.P., 445
Keller J.L., 301
Kellermann A., 395
Kelley M.T., 545
Kelley P.B., 181
Khin-Maung-Gyi M.T., 189
Kierdorf H., 35
Kietzman L., 431
Kim M.Y., 519
Klein-Schwartz W., 189
Kluger J., 525
Klygis L.M., 268
Kremen R., 413
Krenzelok E.P., 115, 189, 200, 265, 298, 398
Krol L.V., 354
Kubincanek J., 294
Kunichevsky S., 50

Laney R.F., 426
Leduc D., 184
Leffler S., 548
Leibold R., 431
Leikin J., 84
Leikin J.B., 18, 121, 399
Lera T.A. Jr, 542
Lerch M.M., 35
Levine R.L., 94, 333, 344
Levitt M.A., 24
Lheureux P., 184
Lightsey D.M., 73
Lilieqvist J-A., 406
Ling L.J., 115, 169
Litovitz T.L., 189, 452
Long D.C., 226
Lowe D.K., 511
Luks F.I., 574
Lyman D.J., 506

Mace S.E., 136
MacPherson K.A., 274
Malave D., 400
Martin D.R., 4
Martin G.B., 538
Martin T.G., 577
Matern S., 35
Mathews R.C., 162
McCabe C.J., 595
McCallum W. B. G., 333
McCarty D.L., 46
McCormick M., 189
McDowell I., 14
McElwee N., 189
McKnight R.D., 14
Medina F.A., 359
Menegazzi J., 200, 413
Michael A.D., 156

Michael T.A.D., 73
Mikhail M.G., 24
Miller H.W., 27
Miller N.C., 274
Misselbeck W.J.A., 265
Mlinek E.J., 32
Montiel M.M., 258
Montoya G., 39
Mortensen M.E., 545
Moscati R.M., 584
Munger M.A., 128

Nair R.C., 14
Nick T.G., 403
Nishio D., 195
Nowak R.M., 538
Nunez A.E., 550
Nyhuis A.W., 8

Oberly D., 317
O'Brien J.F., 393
Oderda G.M., 189
Olson D.W., 4
Orebaugh S.L., 326
Orr R., 418
Orts A., 311
Oswalt J.L., 511
Otsuki J.A., 133
Oxman A.D., 301

Panacek E.A., 128
Pandya G.P., 175
Parikh V., 175, 266
Parker K.M., 542
Parrish G.A., 39
Patterson G.T., 265
Pender E.S., 27
Pepe P.E., 344
Perreault G., 574
Pollack C.V. Jr, 27
Powers R.D., 203
Puig M.M., 311

Quan L., 418

Rady M.Y., 538
Ramirez-Alexander R., 321
Rashid A., 50
Reed R.A., 393
Rees R.S., 321
Reinhart R.A., 78
Reisdorf J.J., 115
Renschler M.F., 267
Restuccio A., 171, 545
Reyes G., 223
Rhee K.J., 611
Riehl J., 35
Ringwood J.W., 274
Rittenberry T.J., 435
Rivers E.P., 538
Roberge R.J., 577
Roberts M.J.S., 290
Robinson G.G. II, 104
Rodgers R.W., 97
Rodman G.H. Jr, 8
Roe L., 149
Rosen L.M., 274
Ross G.S., 219
Rowe B.H., 301
Ruiz E., 32
Rutherford W.F., 128

Sacchetti A., 254
Sahdev P., 237
Salik R., 58
San Miguel E., 506
Saulson S.S., 97
Saywell R.M. Jr, 8
Schmitz B.F., 452
Schriger D.L., 99
Schultz C., 84
Schumacher C., 121
Schwab R.A., 203
Schwartz J.G., 258
Self T., 395
Setzer S.C., 115
Severance H. Jr, 84
Shade B., 294
Shagoury C., 53
Shah P.K., 73
Shinsato E.T., 519
Shomura L.L., 519
Silva J. Jr, 195
Silver B., 18, 399
Silverman M.A., 550
Simmons M., 317
Simon J.E., 181
Slovis C.M., 165, 553
Smith B.A., 553
Smithline H., 538
Snider T.E., 258
Sobel R.M., 393
Soifer B.E., 511
Soslow A.R., 124
Sotereanos G.C., 265, 400
Spiller H., 189
Sporer K.A., 173, 403
St Louis Emergency
Physicians' Association
Research Group, 110
Stedwell R.E., 143
Stein S., 317
Stephen J.M., 61
Sternbach G.L., 331, 399
Sternfeld M., 50
Stern S., 533
Stiell I.G., 14
Stoshak M., 435
Strombom U., 406
Stubbs D.M., 242
Sugimoto S.P., 274
Surpure J.S., 379
Sutton M.C., 24
Swartzell C., 53
Syverud S., 533

Tandberg D., 439
Taylor D.H., 333
Terada A.M., 519
Terndrup T.E., 285
Thompson B., 4
Thompson J.W., 223
Todd K., 271
Toshi A.S., 274
Trabulsy M.E., 149
Tseng J.C., 211
Tso E., 58
Tubbs R.C., 27
Turndorf H., 311

Uechi C.M., 274
Ukiwe J., 613
Uphold R.E., 265

Valko P.C., 46
Van Meter K.W., 558
Van Osten K., 439
Varon J., 331, 344, 399
Vazzana T., 121
Verdile V., 200
Vincent J-L., 515
Viviani M., 396
Vranckx M., 184
Vukmir R.B., 413

Wahl R.P., 271
Walker J.S., 379
Wallace G.J., 14
Wang S-M., 615
Warren R., 595
Wasserman D., 556
Watkins R., 84
Weiss L.D., 558
Welch J.P., 237
Welch R.D., 271
Welcom A., 323
Wentz K.R., 418
Westfall M.D., 616
White J.D., 95, 390
Wiebe R.A., 226, 274, 519
Williams J.W., 271
Winkeltau G., 35
Woodall B.N., 27
Woods J.R., 8
Woo J.W., 4
Woolf A.D., 124
Wrenn K.D., 165, 553
Wright M.B., 104
Wright S.W., 104, 506
Wuerz R.C., 611

Yamamoto L.G., 226, 274, 519
Yazbeck S., 574
Yealy D., 84
Yealy D.M., 200, 298, 584
Yeh C.S., 61
Youngberg R., 64
Young-Sasaki W.M., 274

Zaghi H., 399
Zarowitz R.S., 175
Zehner W.J., 285
Zhao H., 525
Ziccardi V.B., 265, 400
Zimmers T., 251, 449, 569
Zun L., 84

INDEX TO VOLUME 10
Subjects

Abdominal hernia, traumatic, 237-241
Abdominal trauma, peritoneal lavage fluid, bedside visual colorimetry in, 439-444
Abdominal wall, rupture, traumatic, 237-241
Acetone
acute isopropranol ingestion, 542-544
serum determinations in, 200-202
Acidosis, lactic, hemorrhagic shock, 331-332
Acquired immunodeficiency syndrome (AIDS)
epidemic, effects on emergency life support, 156-161
see also Human immunodeficiency virus (HIV)
Addison's disease, polyglandular autoimmune syndrome, endocrine emergencies and, 130-132
Adenosine
intravenous therapy
rate of paroxysmal supraventricular tachycardia and, 326-330
supraventricular tachycardia, electrocardiography, 449-451
supraventricular tachycardia, untoward reaction to (letter), 393

use in pregnancy, 548-549
Aging
orthostatic vital signs and, 99-103
unrecognized incomplete spinal cord injury, 336-343
Air bags, injury reduction and (letter), 175
Airway
HIV-resistant, CPR, 73-77, 616-617 (letter)
intubation, esophageal detector device, 317-320
percutaneous dilatational, emergency, 152-155
Albuterol
improvement in wheezing, pulse oximetry and peak flow, children, 519-524
overdose, hypoglycemia after, pediatric, 556-557
oxygen saturation changes, wheezing, pediatric emergency department, 274-284
Alcohol
illness or injury related to, folate deficiency in, 203-207
intoxication
the John Doe syndrome, 217-218
mental status progression, 271-273
Alcoholism, unrecognized incomplete spinal cord injury, 336-343
Alkalemia, profound, during treatment for antidepressant overdose, 553-555
Alkaline corrosive agents, ingestion, esophageal injury and, 189-192
Alkalosis
metabolic, prehospital bicarbonate use, cardiac arrest, 4-7
profound, during treatment for antidepressant overdose, 553-555
Allergy, celery, laryngeal edema (letter), 613
Ambulance, acute myocardial infarction, identification and prognosis, 406-412
American Association of Poison Control Centers, National Data Collection System, 1991 annual report, 452-505
Amphetamine, caffeine and, potentiation of toxicity, 211-216
Anaphylaxis, intravenous thiamine and, 61-63
Angioedema
angiotensin-converting enzyme inhibitors and, 550-552
lisinopril and, 321-322
Angiotensin-converting enzyme inhibitors, angioedema associated with, 321-322, 550-552
Ankle, injury, interobserver agreement in, 14-17
Antidepressant agents
acute fluoxetine overdose, 115-120
tricyclic
mixed benzodiazepine overdose, flumazenil in, 184-188
overdose, profound alkalemia during treatment, 553-555
Antidotes, mixed benzodiazepine/tricyclic antidepressant overdose, 184-188
Antitrust laws, health care resources, limits of, 588-592
Arteriovenous malformation, cerebral, vein of Galen, 39-42
Asthma
acute exacerbations
serum magnesium levels during, 1-3
steroid therapy in, 301-310
glycopyrrolate for (letter), 395-396
oxygen saturation changes, wheezing, pediatric emergency department, 274-284
wheezing severity, pulse oximetry and peak flow as indicators of, 519-524
Asystole, atropine administration, experimental electromechanical dissociation, 515-518
Atria
fibrillation, electrocardiography, 569-571
flutter, adenosine treatment, electrocardiography, 449-451
Atrioventricular block, adenosine, electrocardiography, 449-451
Atropine
improvement in wheezing, pulse oximetry and peak flow, children, 519-524
oxygen saturation changes, wheezing, pediatric emergency department, 274-284
Audit filter, trauma intubations, 511-514
Avulsion, occult traumatic, ovarian dermoid cyst, 344-346

Baxt Trauma Triage Rule, comparative performance of, 294-297
Benzodiazepine, mixed tricyclic antidepressant overdose, flumazenil in, 184-188
Bezoar, Metamucil, small bowel obstruction (letter), 393-395
Bicarbonates
different dosages and modes of administration, cardiopulmonary administration, 525-532
treatment, antidepressant overdose, profound alkalemia in, 553-555
Bladder, trauma, emergency radiology of, 242-250
Blood donation, variation in orthostatic vital signs, 99-103
Blood gases, prehospital bicarbonate use and, cardiac arrest, 4-7
Blood transfusion, hemorrhagic shock, near-fatal porcine model, 533-537
Bone marrow, tibial, intraosseous infusion, weanling pig model, 27-31
Book reviews, 94, 262, 390
Boric acid, fatal ingestion, adult, 545-547
Bowel, irrigation, acute lead intoxication, 577-583
Bowel, small, obstruction, Metamucil bezoar (letter), 393-395
Bretylium tosylate, cardiac arrhythmia and, during hypothermia in dogs, 311-316
Bronchodilators
improvement in wheezing, pulse oximetry and peak flow, children, 519-524
oxygen saturation changes, wheezing, pediatric emergency department, 274-284
Burn injuries, nitropatch, explosions from defibrillation, 128-129

Caffeine, potentiation of toxicity, cocaine and amphetamine, 211-216
Calcification, dystrophic, traumatic neuroma (letter), 400-401
Cancer, presentation, emergency department, 290-293
Cardiac arrest
hypothermic, internal cardiac massage and mediastinal irrigation in, 32-34
neurologically intact survivors, epinephrine infusion and, 133-135
prehospital bicarbonate use in, 4-7
review of all studies of CPR, animal models, 347-353
Cardiac arrhythmias
mixed benzodiazepine/tricyclic antidepressant overdose flumazenil in, 184-188
ventricular, long QT syndrome presenting as seizures, 435-438
ventricular threshold, bretylium tosylate and, during hypothermia in dogs, 311-316
Cardiac failure, peripartum, woman with Graves' disease, 46-49
Cardiac rhythm, adenosine-accelerated, verapamil treatment for, 326-330
Cardiopulmonary resuscitation
atropine administration, experimental electromechanical dissociation, 515-518
HIV-deficient airway for, 73-77
review of all studies, animal models, 347-353

sodium bicarbonate administration, different dosages and modes, 525-532
two-rescuer, problems with (letter), 166
Carotideal dissection, traumatic, after blunt cervical injury (letter), 396-397
Catecholamines, bretylium tosylate effects, electrically induced arrhythmias, 311-316
Catheters, indwelling venous, emergencies of, 254-257
Caustic ingestion
corrosive esophageal injury, steroids in, 421-425
initial symptoms, predictors of esophageal injury, 189-192
Central venous line, malposition of (letter), 175-177
Central venous oximetry, continuous, shock index and, 538-541
Cerebellum, transforamen magnum, fractureless penetrating injury of, neuroimaging, 69-72
Cerebral hemorrhage, scanned CT image, transmission by modem, 226-229
Cerebral perfusion, epinephrine, prolonged ventricular fibrillation, 133-135
Cervical spine
anteroposterior radiography, trauma screening, editorial, 164
occult fracture (letter), 611-613
silent fracture, 136-142
Cervical vertebrae
blunt injury
traumatic carotideal dissection after (letter), 396-397
endotracheal intubation and, 104-109
unrecognized incomplete spinal cord injury, 336-343
Charcoal, activated
aqueous (letter), 97, 265
multiple-dose regimens, comparison, 298-300
repeat-dose, drugs and response to, 208-210
Chelation, whole bowel irrigation, acute lead intoxication, 577-583
Chest pain
ischemia, pre-hospital therapy with morphine sulfate, 53-57
pediatric, myocarditis, 43-45
spontaneous pneumothorax, 50-52
Clinical Laboratory Improvement Amendments of 1988, 572-573
Cocaine
caffeine and, potentiation of toxicity, 211-216
topical, myocardial infarction and, 219-222
Collections, outpatient care, urban hospital emergency department, 8-13
Colorimetry, bedside visual, peritoneal lavage fluid in abdominal trauma, 439-444
Computed tomography
fractureless penetrating injury, transforamen magnum, cerebellum, 69-72
scanned image, transmission by modem, 226-229
Conflict of interest, health care resources, limits of, 588-592
Convulsions
mixed benzodiazepine/tricyclic antidepressant overdose, 184-188
see also Seizures
Corneal epithelium, sloughing, germicidal lamp exposure (letter), 508-509
Coronary spasm, topical cocaine and, 219-222
Cricothyroidostomy, percutaneous dilatational, emergency, 152-155
Critical care medicine, annotated bibliography, 371-378
Croup, *see* Laryngotracheitis
Crystalloid resuscitation, early blood transfusion, hemorrhagic shock, near-fatal porcine model, 533-537
Culdocentesis, current role of, 354-358
Cyanosis, methemoglobinemia, automobile exhaust fumes and, 426-428
Czechoslovakia system, emergency medicine, 593-594

Decision making
alkaline corrosive ingestions, initial symptoms as predictors of esophageal injury, 189-192
emergency surgery, bedside ultrasound role in, 35-38
Decontamination, whole bowel irrigation, acute lead intoxication, 577-583
Defibrillation, nitropatch explosions from, 128-129
Dermoid cyst, ovarian, occult traumatic avulsion, 344-346
Dexamethasone, perineal irritation induced by, head injury (letter), 268
Diabetes mellitus, polyglandular autoimmune syndrome, endocrine emergencies and, 130-132
Diagnosis
culdocentesis, 354-358
interobserver agreement, acute ankle injury patients, 14-17
postreduction views, shoulder dislocation, 149-151
ultrasound as a tool in (letter), 398-399
urinary tract injuries, 242-250
Dialysis, intestinal, repeat-dose activated charcoal, 208-210
Diaphragmatic hernia, incarcerated, delayed-action stab (letter), 266-267
Drug elimination, plasma, repeat-dose activated charcoal, 208-210

Ears, less problems for (letter), 97
Editorials, 95-96, 164-165, 263-264, 391-392
Electrocardiography
atrial fibrillation, idioventricular rhythm and, 569-571
cases in, 251-253
supraventricular tachycardia, atrial flutter and, adenosine treatment, 449-451
Electromechanical dissociation, experimental, atropine administration in, 515-518
Emergency department
acute hand injury evaluation, 110-114
admission, the John Doe syndrome, 217-218
alcohol-related illness or injury, folate deficiency in, 203-207
alkaline corrosive ingestions, initial symptoms as predictors of esophageal injury, 189-192
cancer presentation in, failure of primary care, 290-293
endotracheal intubation, esophagotracheal perforation during, 223-225
esophageal detector device, evaluation using cadaver model, 317-320
interpreting the patient, 361-363
needle-stick injuries (letter), 267-268, 614-615
patient referral, compliance with, 413-417
patient revisits to, 366-370
rationing care, 263-264
shock index, continuous central venous oximetry and, 538-541
tension pneumothorax, Horner's syndrome with, 431-434
treatment of magnesium deficiency, 78-83
triage in, 195-199
urban hospital, reimbursement for outpatient care, 8-13
Emergency life support, AIDS epidemic impact on, 156-161
Emergency medicine
alternative training, editorial, 391-392
anteroposterior radiography, screening in cervical spine injury, editorial, 164
Czechoslovakia, 593-594
helicopter transport, pacemaker dysfunction during, 333-335
hyperbaric oxygen therapy, review, 558-568

literature of
critical care medicine, 371-378
observation medicine, 84-93
pediatric emergency care, 379-389
review of all CPR animal model studies, 347-353
trauma, 595-610
paramedic training, pediatric intubation, 418-420
prehospital care, Baxt Trauma Triage Rule, 294-297
residency programs (letter), 167-169
toxicology education (letter), 169-171
scanned CT image, transmission by modem, 226-229
surgery, bedside ultrasound in, 35-38
treatment of magnesium deficiency, 78-83
Endotracheal complications, esophageal detector device, evaluation using cadaver model, 317-320
Epidemiology, poisoning, reliability of data sets for, 124-127
Epinephrine
improvement in wheezing, pulse oximetry and peak flow, children, 519-524
oxygen saturation changes, wheezing, pediatric emergency department, 274-284
racemic, use in croup, 181-183
use in resuscitation, cardiac arrest survivors, 133-135
Epistaxis, topical cocaine as treatment for, myocardial infarction and, 219-222
Erythrocytes, count, peritoneal lavage fluid in abdominal trauma, 439-444
Esophageal detector device, evaluation using cadaver model, 317-320
Esophagoscopy, alkaline corrosive ingestions, 189-192
Esophagotracheal perforation, emergency intubation, 223-225
Esophagus, corrosive injury, steroids in treatment of, 421-425
Ethanol
hypoglycemia induced by, 403-405
intoxication, mental status progression, 271-273
Ethics, interpreting emergency department patient, 361-363
Exhaust fumes, automobile, methemoglobinemia and, 426-428

Fatalities, poison-related, reliability of data sets for, 124-127
Femoral neck, occult fracture, 64-68
Fetus, heart rate, adenosine and, 548-549
Financial reimbursement, outpatient care, urban hospital emergency department, 8-13
Flumazenil, mixed overdoses, 184-188
Fluoxetine, overdose, acute, 115-120
Folic acid, deficiency, alcohol-related illness or injury, 203-207
Fractures
hyoid bone, gunshot (letter), 177-179
mandibular, misinterpretation of radiographic anatomy (letter), 265-266
occult, femoral neck, 64-68
shoulder, postreduction views in, 149-151

Glycopyrrolate, asthma (letter), 395-396
Graves' disease, peripartum cardiac failure in, 46-49
Gunshot, hyoid bone fracture (letter), 177-179

Hand injuries, acute, evaluation in emergency department, 110-114
Head injury
minor, editorial, 96
minor, intracranial injury after, 24-26
perineal irritation, dexamethasone-induced (letter), 268
scanned CT image, transmission by modem, 226-229
Health care
prehospital care, Baxt Trauma Triage Rule, 294-297
primary, failure of, cancer, 290-293
rationing, assessing values, editorial, 263-264
resources, limits of, 588-592
Heart rate, atropine administration, experimental electromechanical dissociation, 515-518
Heavy metals, toxicity, family of four, 258-261
Helicopter medical transport, pacemaker dysfunction during, 333-335
Hemoglobin, peritoneal lavage fluid, abdominal trauma, 439-444
Hemorrhagic shock
early blood administration, near-fatal porcine model, 533-537
ovarian dermoid cyst, occult traumatic avulsion, 344-346
severe hyperphosphatemia associated with, 331-332
Horner's syndrome, tension pneumothorax and, 431-434
Human immunodeficiency virus (HIV)
airway resistant to CPR 73-77, 616-617 (letter)
mouth-to-mouth ventilation and, 156-161
See also Acquired immunodeficiency syndrome
Hyoid bone, fracture, gunshot (letter), 177-179
Hyperglycemia, ethanol and, 403-405
Hyperkalemia, fatal, salt substitute and (letter), 171-173
Hypernatremia, prehospital bicarbonate use, cardiac arrest, 4-7
Hyperphosphatemia, severe, hemorrhagic shock and, 331-332
Hyperventilation, intravenous bicarbonate and, treatment of antidepressant overdose, 553-555
Hypoglycemia
after albuterol overdose, pediatric, 556-557
ethanol-induced, 403-405
Hypokalemia, paralysis, 143-148
Hypothermia
cardiac arrest, internal cardiac massage and mediastinal irrigation in, 32-34
cardiac arrhythmias during, bretylium tosylate and, 311-316
Hypothyroidism, polyglandular autoimmune syndrome, endocrine emergencies and, 130-132
Hypovolemia, orthostatic vital signs, 99-103
Hypoxia, fictitious (letter), 613-614

Idioventricular rhythm, electrocardiography, 569-571
Immune globulin, tetanus, review, 445-448
Injury, ovarian dermoid cyst, occult traumatic avulsion, 344-346
Intensive care unit, bedside ultrasound in decision making, 35-38
Intestine, obstruction, presentation of intussusception, 574-576
Intoxication, acute isopropranol ingestion, 542-544
Intracranial injury, after minor head trauma, 24-26
Intraosseous infusion, tibial bone marrow, weanling pig model, 27-31
Intubation
airway, esophageal detector device, 317-320
cervical spine injury patients (letter), 506
emergency, esophagotracheal perforation during, 223-225
endotracheal
cervical spine injuries and, 104-109
digital (letter), 396
pediatric, paramedic training in, 418-420
rapid sequence, intraosseous infusion of vecuronium bromide, children, 359-360
trauma, analysis, 511-514
Intussusception, presentation of, changes, 574-576
Irrigation, mediastinal, hypothermic cardiac arrest, 32-34
Isopropranol, ingestion, acute, 542-544

Isopropyl alcohol, toxic ingestions, serum determinations in, 200-202

Keratitis, ultraviolet light-induced, germicidal lamp exposure (letter), 508-509
Kidney
  failure, ingestion of boric acid, adult, 545-547
  trauma, emergency radiology of, 242-250

Laboratory testing, Clinical Laboratory Improvement Amendments of 1988, 572-573
Lacerations, length, cost containment (letter), 265
Laryngotracheitis, racemic epinephrine use in, 181-183
Larynx, edema, celery allergic reaction (letter), 613
Lead, ingestion, whole bowel irrigation in, 577-583
Lisinopril, angioedema associated with, 321-322
Long QT syndrome, presenting as a seizure, 435-438

Magnesium
  deficiency, emergency department setting, 78-83
  serum, levels during acute asthma, 1-3
Magnetic resonance imaging, fractureless penetrating injury, transforamen magnum, cerebellum, 69-72
Malpractice
  altering the medical record, 162-163
  health care resources, limits of, 588-592
Mandible, fracture, misinterpretation of radiographic anatomy (letter), 265-266
Manpower, task force, American College of Emergency Physicians, 364-365
Mediastinum, irrigation, hypothermic cardiac arrest, 32-34
Medical records, alteration, malpractice and, 162-163
Medical school, US and Canada, toxicology training, 121-123
Medical students, US and Canada, toxicology training, 121-123
Medical training, postgraduate, acute hand injury evaluation in emergency department, 110-114
Medications, ingested, visualization with ultrasound, 18-23
Mental status, alcohol-intoxicated patients, 271-273
Mercury, vacuumed, toxicity of a family from, 258-261
Meta-analysis, acute exacerbations of asthma, steroid therapy in, 301-310
Methemoglobinemia, automobile exhaust fumes and, 426-428
Methylene blue, methemoglobinemia, automobile exhaust fumes and, 426-428
Mexiletine, addition, theophylline serum concentration and (letter), 506-508
Midazolam, nasal, sedation for laceration repair, pediatric, 584-587
Modem, transmission of CT scan, 226-229
Morphine sulfate, prehospital therapy, safety of, 53-57
Mortality, poison-related, reliability of data sets for, 124-127
Myocardial contractility, atropine administration, experimental electromechanical dissociation, 515-518
Myocardial infarction
  acute, mode of transportation, 406-412
  topical cocaine and, 219-222
Myocarditis, chest pain and, pediatric, 43-45

Nasal speculum, percutaneous dilatational airway, emergency, 152-155
Nasogastric tube, insertion (letter), 615-616
Needle-stick injuries, emergency department (letter), 267-268, 614-615
Neuroma, traumatic, dystrophic calcification of (letter), 400-401
Nitroglycerin, nitropatch, explosions from defibrillation, 128-129
Nitropatch, explosions, from defibrillation, 128-129
Nutmeg, intoxication, 429-430

Observation medicine, annotated bibliography, 84-93
Observer variation, acute ankle injury patients, 14-17
Orthostatic vital signs, variations, 99-103
Outpatient, characterization, emergency department, 8-13
Ovaries, dermoid cyst, occult traumatic avulsion, 344-346
Overdose
  albuterol, hypoglycemia after, pediatric, 556-557
  fluoxetine, acute, 115-120
  minimally symptomatic, toxicologic screening and (letter), 173-175
  mixed benzodiazepine/tricyclic antidepressant, flumazenil in, 184-188
  nutmeg, 429-430
  tricyclic antidepressant, profound alkalemia during treatment, 553-555
  visualization of drugs, ultrasound, 18-23
Oxygen
  hyperbaric, therapy, review, 558-568
  saturation, changes in wheezing, pediatric emergency department, 274-284
    pulse oximetry and wheezing severity, children, 519-524
  tubing, misconnection, hypoxia and (letter), 613-614
Oxygenation
  hyperbaric, therapy, review, 558-568
  shock index, continuous central venous oximetry and, 538-541

Pacemaker, dysfunction, helicopter medical transport, 333-335
Paralysis, hypokalemic, 143-148
Paramedics, training, pediatric intubation, 418-420
Paraplegia, unrecognized incomplete spinal cord injury, 336-343
Patient compliance, emergency department referrals, 413-417
Pediatrics
  acute isopropranol ingestion, infant, 542-544
  annotated bibliography, 379-389
  chest pain, malignant cause of, 43-45
  hypoglycemia, after albuterol overdose, 556-557
  intraosseous infusion, mecuronium bromide, children, 359-360
  intubation, paramedic training in, 418-420
  oxygen saturation changes, treatment of wheezing, 274-284
  sedation, intranasal midazolam, laceration repair, 584-587
  tibial bone marrow infusion, weanling pig model, 27-31
  wheezing, pulse oximetry and peak flow, 519-524
Peritoneal lavage, bedside visual colorimetry of fluid, abdominal trauma, 439-444
Phosphorus, severe hyperphosphatemia, hemorrhagic shock and, 331-332
Physical examination, interpreting the emergency department patient, 361-363
Physician-patient relations, emergency department, 361-363
Plasma, elimination half-life, repeat-dose activated charcoal, 208-210
Pneumothorax
  spontaneous, simultaneous bilateral, 50-52
  tension, Horner's syndrome and, 431-434
Poison Control Centers, American Association, 1991 annual report, 452-505
Poisoning
  acute fluoxetine overdose, 115-120
  boric acid, fatal ingestion by an adult, 545-547
  carbon monoxide, hyperbaric oxygen therapy, 558-568
  deaths, reliability of data sets for, 124-127

drug, mixed benzodiazepine/tricyclic antidepressant overdose, 184-188
mercury, toxicity of a family from, 258-261
toxic isopropanol ingestion, serum determinations in, 200-202
venemous snakes, Southwest Asia, 230-236
Polyglandular autoimmune syndrome, multiple and sequential endocrine emergencies, 130-132
Pregnancy
adenosine use in, 548-549
ectopic, current role of culdocentesis, 354-358
heterotopic, unsuspected, woman without risk factors, 58-60
peripartum cardiac failure, woman with Graves' disease, 46-49
PSVT, *see* Supraventricular tachycardia, paroxysmal
Pulmonary edema, pre-hospital therapy with morphine sulfate, 53-57
Pulse oximetry
oxygen saturation changes, wheezing, pediatric emergency department, 274-284
wheezing severity and, children, 519-524

Quality assurance
markers, trauma nurse specialists, 323-325
trauma intubations, analysis, 511-514

Radiography
postreduction views, shoulder dislocation, 149-151
skull, fractureless transforamen magnum penetrating injury, 69-72
Radiology, emergency, urinary tract injuries, 242-250
Residency programs
alternative, Manpower Task Force, 364-365
emergency medicine (letter), 167-169
toxicology education (letter), 169-171
Resuscitation
airway intubation, esophageal detector device, 317-320
crystalloid, early blood transfusion, hemorrhagic shock, 533-537
mouth-to-mouth
dying art, 156-161
HIV-resistant airway for, 73-77, 616-617 (letter)
neurologically intact survivor of fibrillation, epinephrine infusion and, 133-135
prehospital, two-rescuer response (letter), 166-167
sodium bicarbonate administration, different dosages and modes, 525-532
tibial bone marrow infusion, weanling pig model, 27-31
trauma room, quality assurance markers, 323-325
Rewarming, cardiac arrest, internal cardiac massage and mediastinal irrigation in, 32-34
Risk factors, heterotopic pregnancy, 58-60

Salt substitute, fatal hyperkalemia from (letter), 171-173
Schmidt's syndrome, polyglandular autoimmune syndrome, endocrine emergencies and, 130-132
Sedation, pediatric, conscious, nasal midazolam, 584-587
Seizures
caffeine effects, potentiation of cocaine and amphetamine toxicity, 211-216
emergency department admission, the John Doe syndrome, 217-218
long QT syndrome presenting as, 435-438
shock index, continuous central venous oximetry and, 538-541
see also Convulsions
Shoulder dislocation, postreduction views in, 149-151
Skull fracture, scanned CT image, transmission by modem, 226-229
Snakes, venemous, Southwest Asia, 230-236
Sodium bicarbonate, prehospital use, cardiac arrest, 4-7
Spinal cord
injuries
cervical, intubation (letter), 506
cervical, unrecognized incomplete, 336-343
endotracheal intubation and, 104-109
occult cervical fracture (letter), 611-613
unstable occult cervical fracture, 136-142
Stab wound, delayed-action, incarcerated diaphragmatic hernia (letter), 266-267
Steroids
corrosive esophageal injury, 421-425
racemic epinephrine and, use in croup, 181-183
therapy, acute exacerbations of asthma, 301-310
Stomach, ultrasound, visualization of ingested medications, 18-23
Substance abuse, illness or injury related to, folate deficiency in, 203-207
Sudden death, long QT syndrome, presenting as a seizure, 435-438
Supraventricular tachycardia, adenosine treatment
electrocardiography, 449-451
in pregnancy, 548-549
Supraventricular tachycardia, paroxysmal, adenosine-accelerated, verapamil treatment for, 326-330

Teleradiology, CT scan transmission, modem, 226-229
Temperature, ambient, effects on tympanic and oral body temperature, 285-289
Temperature, body, tympanic and oral, ambient temperature extreme effects, 285-289
Teratoma, ovarian dermoid cyst, occult traumatic avulsion, 344-346
Tetanus, review, 445-448
Theophylline
multiple-dose activated charcoal regimens, comparative efficacy, 298-300
serum concentration, addition of mexiletine and (letter), 506-508
Thiamine hydrochloride, intravenous
anaphylaxis from, 61-63
safety, editorial, 165
Thoracotomy, hypothermic cardiac arrest, 32-34
Thrombocytopenic purpura, idiopathic, mercury poisoning, 258-261
Toxic ingestion, *see* Poisoning
Toxicity
anaphylaxis, intravenous thiamine and, 61-63
boric acid, fatal ingestion by an adult, 545-547
nutmeg intoxication, 429-430
vacuumed mercury, family of four, 258-261
Toxicology
education, emergency medicine residency programs (letter), 169-171
poison deaths, reliability of data sets for, 124-127
screening, overdoses (letter), 173-175
training, medical students in US and Canada, 121-123
Transforamen magnum, fractureless penetrating injury, cerebellum, 69-72
Trauma
abdominal, blunt, hernia and, 237-241
annotated bibliography, 595-610
Baxt Trauma Triage Rule, 294-297

the John Doe syndrome, emergency department admission, 217-218
multiple
endotracheal intubation and, 104-109
intubations and, 511-514
ovarian dermoid cyst, occult traumatic avulsion, 344-346
penetrating, fractureless, transforamen magnum, cerebellum, 69-72
urinary tract injuries, 242-250
Trauma nurse, trauma room resuscitation, quality assurance markers, 323-325
Traumatology, unrecognized incomplete spinal cord injury, 336-343
Triage
Baxt Trauma Triage Rule, 294-297
emergency department, 195-199
ambient temperature effects on body temperature, 285-289

Ultrasound
bedside, medical intensive care patients, 35-38
diagnostic tool (letter), 398-399
stomach, visualization of ingested medications, 18-23
unsuspected heterotopic pregnancy, woman without risk factors, 58-60
Ultraviolet light, keratitis induced by, germicidal lamp exposure (letter), 508-509
Uremia, occult, twitching in (letter), 399-400
Ureter, trauma, emergency radiology of, 242-250
Urethra, trauma, emergency radiology of, 242-250
Urinary tract, trauma, emergency radiology of, 242-250

Vecuronium bromide, intraosseous infusion of, rapid sequence of induction/intubation, children, 359-360
Vein of Galen. cerebral arteriovenous malformation of, 39-42
Ventilation, mouth-to-mouth, dying art, 156-161
Ventricular fibrillation, neurologically intact survivor of, epinephrine infusion and, 133-135
Verapamil, treatment, adenosine-accelerated PSVT, 326-330
Vital signs, orthostatic, variations, 99-103

Weakness, hypokalemic paralyses, 143-148
Wounds, hyperbaric oxygen therapy, 558-568